



# MARSHALL STAR

Serving the Marshall Space Flight Center Community

Sept. 1, 2005



Foley-Batts



Puckett



Bourque



Caudle

## *Marshall women receive Equality Day awards*

Four Marshall Center employees were recognized as outstanding women achievers at the Women's Equality Day Luncheon and Awards Ceremony on Aug. 24.

Marshall honorees in the four award categories are:

- Administrative: Teresa Foley-Batts, procurement analyst in the Policy & Information Management Department of the

*See Women on page 2*

## **Message from the Administrator Regarding Hurricane Katrina**

In the aftermath of Hurricane Katrina, we fortunately have no reports of any injuries or deaths among NASA employees, contractors or family members at our Stennis Space Center and Michoud Assembly Facility. Based on early assessments, both locations did suffer building damage from the storm, with no immediate indications of damage to flight hardware.

We also are grateful that the Stennis Space Center provided shelter to 4,000 people — NASA employees, contractors and family members and stranded local residents — as the hurricane moved through. The Stennis Space Center is still being used as a shelter location and the Center's parking lot is being used by Federal Emergency Management Agency officials as a staging area for recovery operations. The Stennis Space

*See Message on page 3*

## *Marshall Technology Expo draws hundreds eager to learn what Center has to offer for future space exploration*

*By Sheri Bechtel*

The Marshall Technology Expo held last week at Center Activities Building 4316 proved to be every shopper's dream for those working in the business of space launch, science and exploration.

More than 300 program managers, chief engineers and others attended the event Aug. 25, which showcased Marshall's wide range of in-house technology development capabilities and a host of technologies created to support Marshall programs. With 77 booths displaying more than 100 technologies, there was something for everyone — and for every step of the

*See Expo on page 2*



Jamie Beard, left, a graduate student at Tennessee Technological University in Cookeville, Tenn., and Kirk Sorenson, right, lead systems engineer of Emerging Propulsion Technologies in the In-Space Propulsion Technology Office, show Center Director David King, second from left, and Assistant Director for Technology/Chief Technologist James Bilbro how a new gimbal mount can be used for the reaction control system of future spacecraft.

MSFC/ Fred Deaton

## Expo

*Continued from page 1*

Vision for Space Exploration, which seeks to extend humanity's reach throughout the Solar System.

From Shuttle and in-space propulsion technologies to Space Station hardware and advanced materials development, the Expo offered visitors a chance to learn what Marshall is doing in support of NASA's exploration goals. Visitors also learned how Marshall's long history of space-related research, development and integration has been key to everyday life on Earth.

"Each technology has its own story," said Fred Schramm, program administrator for Marshall's Independent Research and Development Program and event coordinator for the Expo. "Each one is the product of a tremendous amount of hard work, from taking the initiative to gain funding, to persevering over a number of years to design, develop, test and integrate the technology — all in an effort to create something useful."

Among the Marshall capabilities displayed at the Expo were NASA's patented Friction Stir Welding tools, which "spin" metals together for stronger, more uniform welds on various metals. Technologists also demonstrated structural dynamics and environmental testing, which enable



MSFC / Fred Deaton

**Sopo Yung, left, who provides technical support for the Exploration and Transportation Technology Office, and Dale Ferguson, center, Prometheus Space Environments Interactions lead in the Systems Integration Office of the Space Transportation Programs and Projects Office, exchange information with Richard Klan. A retired Marshall employee, Klan is a consultant with the Huntsville office of Sierra Lobo Inc.**

engineers to see how well certain structures, hardware and systems handle the stresses of space exploration.

A large, three-meter solar sail — a smaller version of the 20-meter systems tested by Marshall researchers and their industry partners — was displayed in the In-Space Propulsion Technology Office's exhibit. The display also illustrated Marshall's capabilities for developing and testing lightweight tank technologies for advanced chemical propulsion, tether propulsion systems and advances in aerocapture research.

Other exhibits showed valve technologies, element modeling and the Space Environments and Effects (SEE) Program. SEE studies materials, hardware and systems that have flown in space to help NASA better understand how the space environment — temperature extremes, radiation and space debris hits — affects the technologies.

This event marked the first Technology Expo of its type held at the Marshall Center. Organizers hope to make it an annual event.

*The writer, an ASRI employee, supports the Public and Employee Communications Office.*

## Women

*Continued from page 1*

Procurement Office;

- Clerical: Patricia Puckett, office automation assistant, Space Optics Manufacturing and Technology Center in the Science and Technology Directorate;
- Professional: Pamela Bourque, attorney-advisor in the Office of Chief Counsel; and
- Supervisor: Rose Caudle, supervisory budget analyst in the Office of the Chief Financial Officer.

Foley-Batts began her NASA career at Marshall in 1981 as a secretary co-op student in the Structures and Propulsion Laboratory and became a full-time employee in 1982. She leads an information technology team in the Policy & Information Management Department of the Procurement Office.

Puckett came to Marshall in 1993 as a co-op student and became a full-time employee in 1995. Her responsibilities include project support and safety requirement tracking in the Space Optics

Manufacturing and Technology Center of the Science and Technology Directorate.

Bourque joined Marshall's Office of Chief Counsel in 1993 as an attorney-advisor. She works to assure adequacy and propriety in Center activities and documentation by providing advice and counsel in personnel, ethics and fiscal and environmental law matters.

Caudle began her NASA career in 1987 as a budget analyst and worked at several NASA centers. She came to Marshall in 2000 as office chief for the Budget Integration & Analysis Office in the Office of the Chief Financial Officer. Caudle supervises Center-wide budget integration.

The Equality Day awards event was sponsored by the Combined Federal Women's Programs. The Marshall Federal Women's Program joins with other local federal agencies to recognize outstanding women achievers and to celebrate Women's Equality Day and passage of the 19th Amendment.

# Marshall's Space Systems Programs/Projects Office honors team with 'norms' awards at annual ceremony

By Lori Johnston Meggs

Marshall's Space Systems Programs/Projects Office (SSPPO) recently honored team members for their outstanding contribution to NASA and the Vision for Space Exploration.

Nearly 130 people attended the event at the Redstone Officers' and Civilians' Club. Seven awards, whose recipients were nominated by their peers, were presented to individuals who demonstrated outstanding performance and best exemplified the directorate's "norms." Norms are the group's standards of accepted behavior in the workplace. Award recipients were recognized for excellence, innovation, respect, helpfulness, communications, teamwork and accountability.

"By establishing norms, we can intentionally develop our accepted behaviors as opposed to having negative norms develop on their own," said Tony Lavoie, director of the Space Systems Programs/Projects Office. "Organizations benefit from positive norms by enhanced productivity and performance, not to mention a pleasant work environment."

The award recipients were Brian Mulac of the Discovery and New Frontiers Program Office for the Excellence Award; Woody Anderson of the Space Partnership Development Office for the Innovation Award; Dan O'Neil of the Future Concepts Office for the Respect Award; Dana Solomon of the Science and Mission Support Business Office for the Helpful Award; Steve Lambing of the Space Partnership Development Office for the Communications Award; Paul



Winners of the top awards in the Space Systems Programs/Projects Office are, from left, Steve Lambing, Sherwood Anderson, Dana Solomon, Charlotte Talley, Paul Luz and Brian Mulac.

Luz of the Payload and Facility SE&I Office for the Teamwork Award; and Charlotte Talley of the Science and Mission Support Business Office for the Accountability Award.

"SSPPO Idol" was the theme for the event, based on the "American Idol" TV show. The entertainment featured "singers" from throughout SSPPO performing on video, as well as live performances that were judged by directorate team members playing the parts of "Randy," "Simon" and "Paula."

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## Message from the Administrator

*Continued from page 1*

Center and Michoud Assembly Facility will be closed for business while recovery efforts continue.

Currently, Emergency Operations Centers at the affected Centers and Headquarters are now open and will remain open during business hours as needed. As emergency crews begin the difficult work of clearing debris and restoring power and other services to the facilities on-site, we also are assessing how resources across the entire agency can best be used to offer support to the Stennis Space Center and Michoud Assembly Facility. The Marshall Space Flight Center is already helping tremendously by serving as a hub for off-site emergency procurement activities.

In the coming days and weeks, we want to make certain our

colleagues and their families get the help they need. While there is considerable federal and state assistance on the way, NASA employees can get involved by contributing to the NASA Family Assistance Fund at <http://www.feea.org>. The NASA Family Assistance Fund will provide a grant of up to \$400 and an interest free loan of up to \$600 for people living in declared disaster areas.

My heart goes out to all the people affected by the hurricane. I will be visiting the Stennis Space Center and Michoud Assembly Facility as soon as possible.

**Mike Griffin**  
NASA Administrator



# NASA Shared Services Center to open at Stennis Oct. 1

By Sanda Martel

With the opening of the NASA Shared Services Center (NSSC) at Stennis Space Center, Miss., Oct. 1, some transactional and administrative functions now performed at the Marshall Center will be handled at the new location.

The new center will remain an "interim" facility for one year, and functions now performed at each NASA center and at NASA Headquarters will transition over time, said Jim Carter, Marshall's NSSC Team Leader.

Shared services is an efficient, customer-focused approach to providing services to multiple organizations. It is a common industry approach and 70 percent of Fortune 500 companies in the United States use shared services.

The establishment of the NASA Shared Services Center is part of the NASA Transformation that supports the Vision for Space Exploration. NASA expects shared services will allow each center's management to spend more time focusing on its core competencies while achieving significant cost and efficiency savings and higher levels of accuracy and customer service.

Services to Marshall employees will be affected in the areas of financial management, human resources, procurement and information technology, Carter said. "In judging whether a service is transferred to the NSSC, we used the criteria of asking, 'Is the service transactional?'"

For example, said Carter, in the financial management area, the NSSC will handle services in the following categories: accounts payable for government contracts and grants; purchase card transactions and small purchases; consolidated billing; collection and closeout services for reimbursable and non-reimbursable accounts receivable transactions; payroll and time and attendance support; and travel voucher reimbursement.

Human resource services affected will include drug testing administration; general employment inquiries; position classification appeals; recruiting logistics; awards processing; human resources studies; personnel security; Senior Executive Service awards, bonuses and appointments; employee development and training support; employee benefits support, including benefits processing, retirement counseling, change of station and relocation; outside employments; new hire processing; leave donor and advanced sick leave program; health fair logistics; maintenance support for official employee and performance records; and personnel action processing and related records.

For the procurement function, the NSSC will provide small business innovative research and small business technology transfer contracts; training purchases; E-procurement; other agency-wide procurements; and NASA's contracting intern program.

Information technology services will include information technology management; technology implementation, systems management and engineering; information technology security; and NASA and federal government information technology initiatives.

## Marshall NSSC Transition Team

The following Marshall Center employees are serving on a Marshall Transition Team, which has worked during the past year to ensure a smooth transition of center functions into the NASA Shared Services Center (NSSC):

**Jim Carter**, Team Leader; **Janie Moyers**, Change Management leader; **Elaine Hamner**, Procurement functional leader; **Mack Blackman**, Human Resources functional leader; **John Alexander**, Finance functional leader; **Sheila Fogle**, Information Technology leader; and **Steve Smartt**, Integrated Enterprise Management Program Competency Center leader.

The Integrated Financial Management Competency Center will remain at the Marshall Center and report to the NSSC.

The NSSC will be staffed by a mix of civil service and contractor personnel. Work subject to the competition will be performed by contractor employees, and work that is inherently governmental will be performed by civil servants, Carter said.

The types and number of positions will be determined as the NSSC is staffed and activities are transitioned to the new center at Stennis. Staffing has begun and will continue through 2008. Job openings are being announced through administrative officers in various Marshall organizations. NASA civil service positions are being posted on the Web site <http://www.nasajobs.nasa.gov> as they become available, and employees also may sign up at the same site for automatic e-mail notifications of vacancies.

For more information visit <http://nssc.nasa.gov>

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## CFC kickoff offers chance to win free airline tickets

This year's Combined Federal Campaign kickoff grand prize is two free airline tickets to any location in the continental United States. The kickoff will be held jointly with Redstone Arsenal from 10 a.m. to 2 p.m. on Sept. 20 at the Parade/Activity Field off Patton Road next to the Building 3711 Recreation Center. Participants must register during the kickoff for the airline tickets, but do not have to be present to win.

The Combined Federal Campaign is a joint effort by federal agencies to raise money for charities in Huntsville and the surrounding area. Campaign T-shirts also can be ordered until noon Friday, Sept. 2. These are the official T-shirts for the campaign's Community Service Days. To order T-shirts, go to: [http://www1.msfc.nasa.gov/INSIDE/announcements/2005\\_cfc\\_tshirt\\_of.pdf](http://www1.msfc.nasa.gov/INSIDE/announcements/2005_cfc_tshirt_of.pdf)

Shirts will be available for pickup at the Building 4203 Space Shop on Sept. 14.

# Classified Ads

*To submit a classified ad to the Marshall Star, go to Inside Marshall, to "Employee Resources," and click on "Employee Ads — Submit Ad." Ads are limited to 15 words, including contact numbers. No sales pitches. Deadline for the next issue is 4:30 p.m. Thursday.*

## Miscellaneous

New OSE Inforcer bow w/arrows and release, \$500; Remington 270 A-bolt w/Bushnell scope, \$375. 931-937-8680

Recliner, \$150; love seat, \$200; wrought iron patio chairs, \$45; coffee table w/stereo, \$75. 534-0939

Rattan wicker pedestal square rounded-corner glass top table w/4 chairs, blush, \$300. 772-7262

Multi-exercise weight training bench, \$60 or make offer. 881-1249

Beqau Soleil tanning bed, 20 bulbs w/facial tanner, new bulbs, 2 yrs. old. 256-586-2994

Yamaha saxophone, YAS275 student model, 3 yrs. old, \$500. 859-6636

Full-size couch, neutral brown w/animal themed pillows, 3 yrs. old, \$250. 256-339-6677

Side-by-side refrigerator, white, 25 cu. ft., water/ice in-door, \$225. 655-5436

Proform XP 542e treadmill, 2.75HP, shock cushioning, extended warranty, 6 months old, \$475. 722-4741

This-End-Up classic solid end bunk bed set, no mattresses, \$395. 533-5942

Computer desk, \$100; Craftsman workbench, lights/power, new in box, \$300. 776-9165

Aquarium w/stand, 30 gallon, all accessories including fish, \$199. 881-8674

La-Z-Boy recliner, yellow-gold, \$45. 289-5651

Kenowa gas-powered scooter, 49cc, black, lockable storage box, 1 yr. old, \$150. 539-9808

Antique Oak table w/4 chairs, \$250; antique Oak table, \$150; Burley bicycle trailer, \$75. 881-0533

Suzuki violin 1/4, \$130; Gerbil cage, accessories, \$8; Canon IP3000 photo printer, new, \$75. 881-4148/ 6 p.m.

Prefinished hardwood, 120 square feet, Winchester/gunstock color, \$250. 256-325-0499 leave message

1999 Martin guitar, D28 & Martin hard case w/pickup, \$2,000. 256-509-5340

Round above ground pool, 24', filter system w/ladder, \$200. 518-2424/evenings

Antique china hutch; baby walker & playmate gym; futon. 859-1188

Young Hinkle boy's bedroom set; bed, dresser, desk w/shelves, chair, \$350. 256-509-2046

AKC registered Black Lab pups, 2 male/2 female, 7-weeks, \$250. 256-858-5570

Solid Maple china cabinet, \$400; cedar chest, \$100. 830-5663

Sofa, loveseat, coffee and end tables. 256-527-8464/leave message

Weider Pro Power Stack gym, dual station, \$250. 379-4677

Pilates Performer workout bench w/separate stand, \$225 negotiable. 828-9099

Two wood-burning, fireplace inserts. 498-0506/leave message

Sony KV-32XBR50 32" Super woofer, external speakers, S-video inputs for DVDs, \$200. 658-7719

Sony 27" Trinitron WEGA flat screen TV, \$250, you haul. 256-534-3252

Two captain's beds, \$150 each; twin mattress, \$50; sofa, \$150; dresser, \$70. 837-0303

J. B. Player electric guitar, MBT International case & Kustom 50-watt amplifier, \$350. 256-656-1918

Two bachelor chests, ivory, 3-drawer, \$75; double bed, ivory \$25. 881-2699

Telescoping collapsible aluminum-frame dining canopy, 10'x13', polyester cover with bag, \$45. 851-7406

Antique upright piano, needs tuning and refinishing, \$200. 256-679-6707

Two Technics speakers, Model SB-L72, 12" woofer, mid-range tweeter, 150W input, \$100. 256-461-0399

Plastic band clarinet, needs cleaning, \$75. 527-2984

2001 enclosed utility trailer, 7'x12', tandem axle, brakes, spare tire, dome vent, \$2,200. 931-703-6935

Broyhill traditional couch, \$200. 882-6982

Multi-exercise weight training bench, \$50. 881-1249

PSE compound bow, right-hand, 29" draw, \$200; Alpine compound bow, left-hand, 26" draw, \$150. 256-878-4524

Hybrid daylilies. 828-9651

Children's club house and slide, \$75. 851-0008

Bissell steam mop, Model 1867, brand new, \$40; area rug, green & burgundy, 8'x10', \$55. 655-6293

Display case, glass top and front, 2 shelves, lockable, 4'x4', \$200. 348-2670

King-size mattress/foundation set, used, extra firm, foam topper, \$100. 233-0705

Star Wars life-size Yoda figurine w/light saber and stand, \$250. 256-859-3444

Matching Takara street bicycles, male and female, black & red, needs work, \$75. 256-479-4345

## Vehicles

2003 Polaris Sportsman 700 4-wheeler, auto transmission, 240 miles, includes helmet, \$6,200. 694-1217

2004 Kawasaki Vulcan VN800, 1,650 miles, Corbin leather seat, helmets, etc., \$4,950. 350-7461

1978 AMF Crestliner Norseman 2, 165 HP inboard, 5 yr old, outboard, \$2,000. 256-679-6707

2003 Kia Sorento LX, 3.5/V6, glue/gray, 87K highway miles, leather package, \$12,500. 256-233-6157

1994 Crown Victoria, 4-door, \$1,300. 828-0756

2002 Suzuki Intruder VS800GL, 3.6K miles, chrome, adult driven, unlimited mileage warranty, \$4,000. 509-5375

Gulfstream, 36', 30K+ miles, generator, jacks, VCR, camera, awning, bath, kitchen, bedroom, \$36,000. 256-931-0177

1992 Honda Accord LX, 4-door, auto, air, cruise, airbag, power windows & locks, \$2,700. 721-9005

2002 Ford F250 Super-duty, crew-cab, Lariat, 7.3 diesel, 4x4, 137K miles, white, \$20,000. 256-497-3518

2001 Corvette, white/tan, auto, HUD, 12-changer CD, all-power, 80K miles, \$22,500. 232-0246

2001 Ford Expedition, navy, 51K miles, new tires. 468-0170

1995 Buick Century, 4-cylinder, 75K miles, \$2,750. 830-1905

2002 Town Car Signature Series, pearl white, 4.6L/V8, 8K miles, \$20,000. 355-6648 after 5

1999 Chrysler Town & Country Limited, white, 84K miles, leather, captain seats, \$8,900. 653-9588

2004 Chevy Trailblazer, white, 2wd, LS, towing package, low mileage, \$18,500. 256-565-9918

1975 Honda CB 500T motorcycle, \$1,495. 508-4379 evenings

1995 Jeep Cherokee, 4x4, 150K miles, 6-cyl., a/c, \$2,975 firm. 256-572-1867

1999 Expedition, Eddie Bauer, 5.4L/V8, auto, leather, 6-disc CD, rear air, loaded, 104K miles, \$10,500. 464-3300

2001 Procraft fish & ski, 150', XR6, Mercury, many extras, \$13,000. 348-4899

1981 Yamaha SR500, single cylinder motorcycle, 4.4K miles, \$1,800. 534-9678

1998 Jeep Grand Cherokee, 6-cyl., 100K miles, auto, air, PS/PB, cruise, 20/24 mpg, \$5,500. 682-7006

2001 Ford Focus SE, gold, one-owner, 90K miles, \$5,000. 865-567-8862

1994 Ford Econoline conversion van, white, TV/VCR, 175K miles, \$4,500. 830-9507 after 5 p.m.

2001 Honda Passport LX, V6, 67K miles, \$10,500; 1997 Nissan pickup, 4-cyl., 111K miles, \$5,500. 859-0729

1996 Tracker deck boat, 20', rigged for fishing/skiing, 90HP Mercury, \$7,200. 256-415-2558

Boat & trailer, 14', "TomBoy," three swivel seats, new trailer tires, \$400. 881-6847

Aluminum fishing boat, 34HP, loaded, \$2,200. 325-4731

## Wanted

Crib, dresser, or any combination of nursery furniture; maternity clothes, size large or 12-14. 431-2965

To buy flutes, in good condition. 828-5840

## Free

Book binding supplies; purple martin gourds and poles. 881-6595

Corner computer desk, you pick up in Southeast Huntsville. 651-9300

## Obituary

**Nancy Elizabeth Johnston Gibson, 46,** of Huntsville, died Aug. 23. She retired from the Marshall Center in March as an aerospace technologist for Flight Systems Design in the Mechanical Design and Analysis Division within the Engineering Directorate.

Survivors include her husband, Roger D. Gibson; one daughter, Kelly Elizabeth Moreland; her mother, Mary Frances Honea Johnston; and one sister, Karen Johnston Dunning.

## Marshall engineer's book paints nostalgic picture of small-town life

By Sanda Martel

**T**ommy Harris, a systems engineer in Marshall's Propulsion Systems Department, Resource Management Office of the Engineering Directorate, has spent the past 13 years tracking space hardware and schedules, and managing Marshall in-house projects and other tasks associated with the aerospace business.

Many who meet Harris for the first time are amazed when he tells them he has received a heart transplant. Today he leads a "normal life."

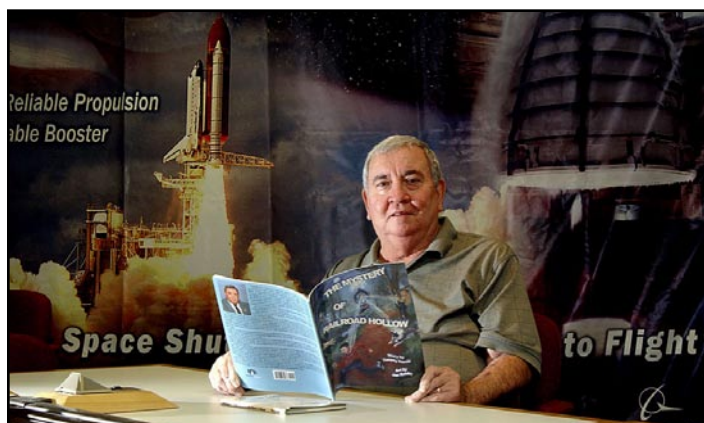
But 12 years ago, Harris wasn't sure he would survive transplant surgery in a Birmingham hospital. He had to overcome two bouts of organ rejection. But he recovered, returned home and eventually returned to work.

During one recovery period, Harris said "thinking time" led him to undertake a new endeavor — to write a children's adventure story.

Last year, he completed the book, "The Mystery of Railroad Hollow." The story follows the adventure of two brothers in a small Southern town, facing their worst fears in the mysterious Railroad Hollow. Railroad Hollow is a "real" place, located between Billy Goat Hill and Cherry Hill in East Florence, Ala., where Harris grew up.

All locations in his book are actual places, but the characters are fictional, said Harris. He tells the story of Ben and Tommy, and their adventure in Railroad Hollow, where children said "a lot of scary things happen during the night." Children told stories about an evil Cyclops that rode the rails at night, blowing ghosts and goblins out from the top of his head. An "evil eye," it was said, paralyzes whoever looked at the Cyclops. And they were never seen again.

The book is illustrated by Jan Roblin, who grew up with Harris in East Florence, which was called Sweetwater in the 1950s. In 2001, they ran into each other at the Coffee High School 40<sup>th</sup> class reunion in Florence, their first meeting since high school.



Marshall engineer Tommy Harris recently authored a children's book about the adventures of two boys growing up in East Florence, Ala.

When Harris learned Roblin was an artist, he asked if she would be interested in illustrating his just-finished book.

Roblin took on the challenge. The result is a nostalgic look at life as it existed in small towns of the 1950s — complete with soda fountains, back-lot baseball games and adventures on dark and scary nights.

"The Legend of Railroad Hollow" is not Harris' first foray into book publishing. In 1976, he authored a story about his daughter, Beth, who at age 8 became the first American girl to play Little League Baseball. "The Little Lady Wore a Glove" is a biographical account of how a little girl in the second grade became part of an all-boys' Little League team.

Harris soon will have more time to write, since he is retiring from government service. Reflecting on that, Harris said of his Marshall family, "There are so many good people here. I've always thought this is the greatest place in the world to work."

*The writer, an ASRI employee, supports the Public and Employee Communications Office.*

## MARSHALL STAR

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